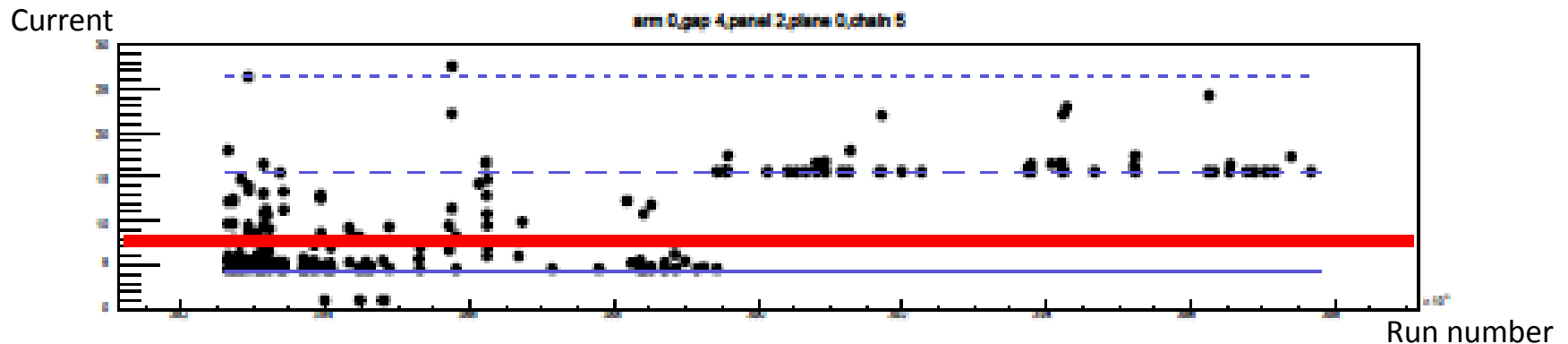
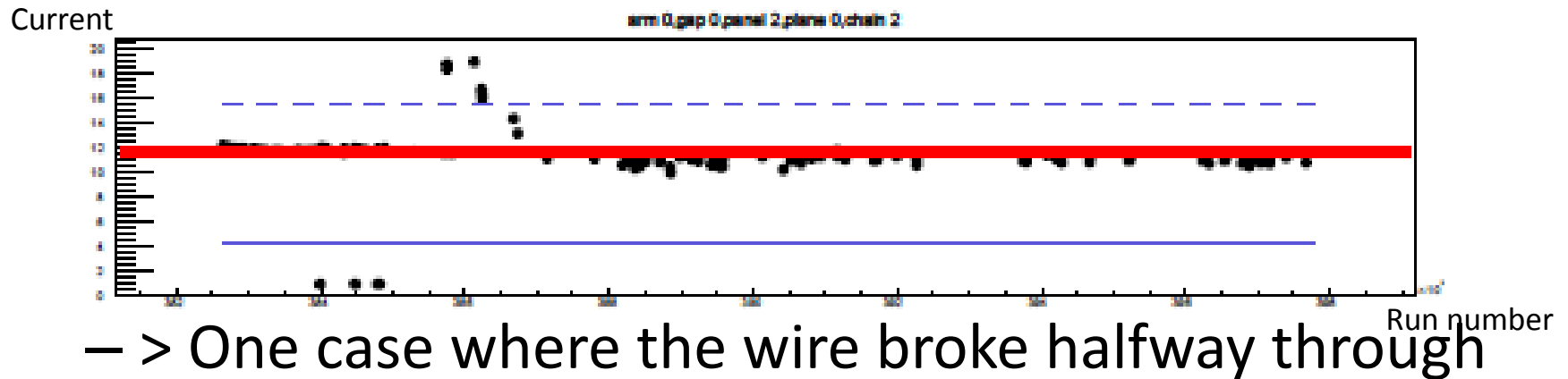


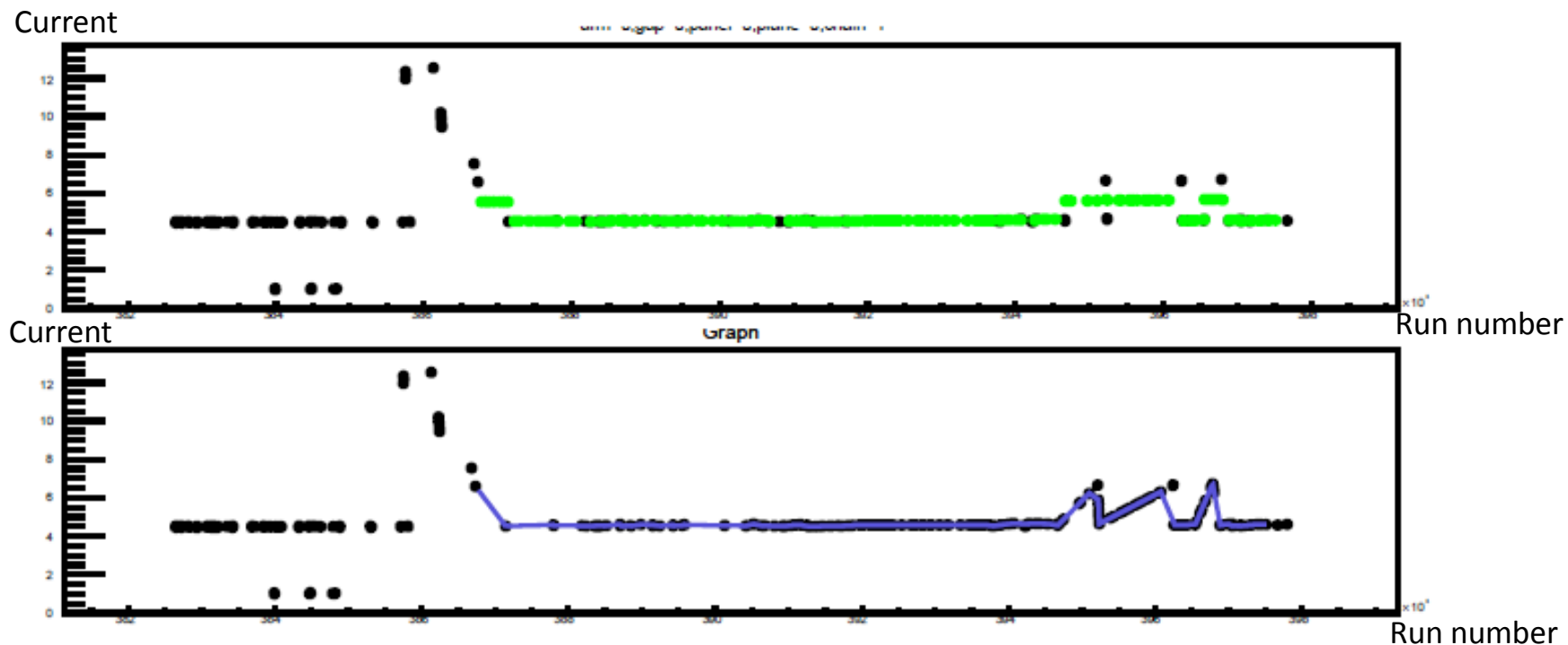
# Broken Wire estimation

- Both estimations agree except for 12 cases
  - > Mostly ambiguous cases (11 out of 12)



# Interpolated Baseline

- Instead of using the average (green) between two cosmic runs, used a linear interpolation (blue)

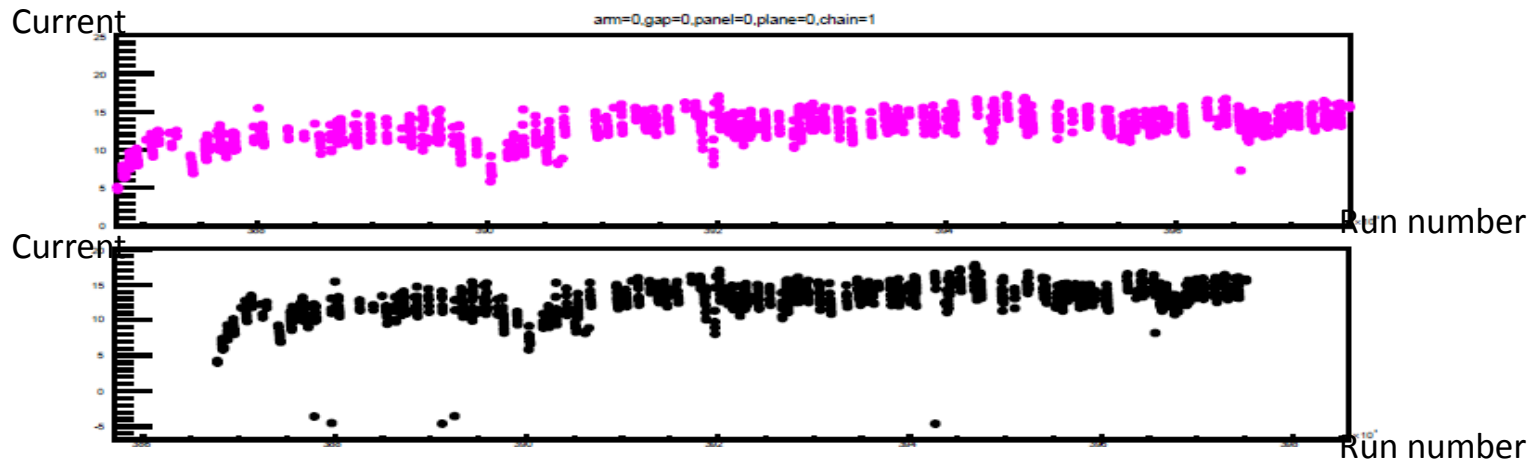


# Baseline subtracted currents

- As the broken wire estimation and the interpolated baseline currents are different, new baseline currents (left) are slightly different from the old ones (right) :

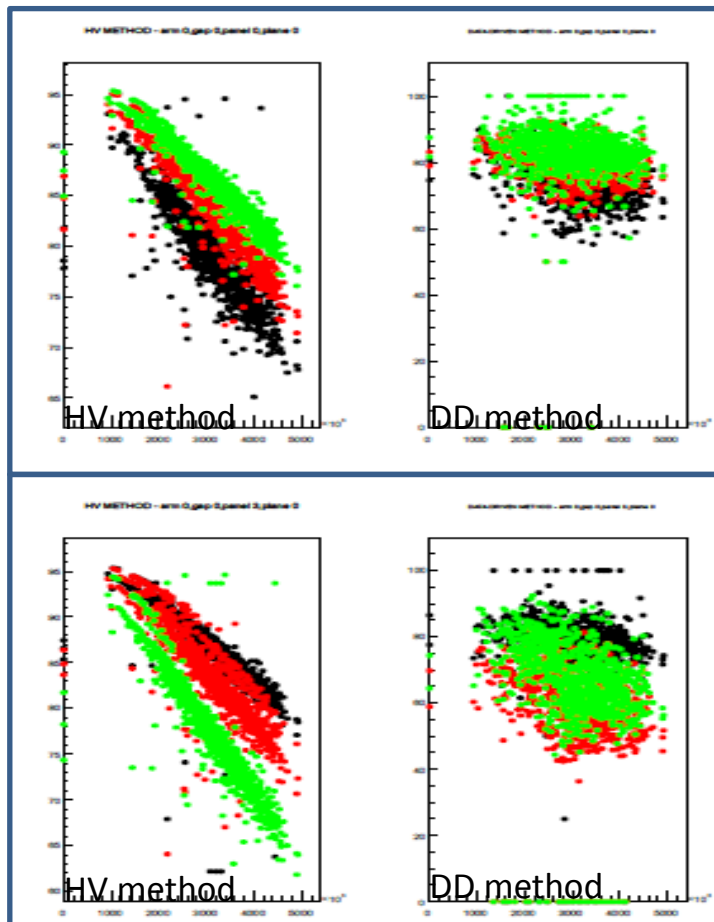
386775	4.26567	1	386775	5.086
386776	4.21669	2	386776	5.032
386777	4.0077	3	386777	4.818
386825	7.37652	4	386825	7.946
386826	7.11453	5	386826	7.679

- But both methods (old one in pink and new one in black) are consistent with each other.



# Comparing HV and data-driven methods

- The HV method's calculated efficiency considerably drops when the luminosity gets higher when the data-driven method's efficiency stays relatively stable.



- In most cases both methods agree on the group efficiency « order » per panel (here, black is the closest group from the beam line and green is the furthest)
- But there are 24/60 panels where this isn't the case.

Y : Efficiency  
X : Luminosity